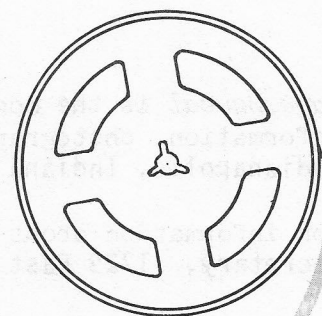


# TAPE SQUEAL



**INDIANA RECORDING CLUB, INC.**  
*Volume XXIII, Number 3 — March, 1982*

## THE VINTAGE VICTROLA

by BUD BLACK



Science fiction authors have for years used as one of their favorite topics the idea of time travel. Time machines have been written of since the days of Jules Verne and H. G. Wells. Fantastic conveyances which could carry one back into the past or into the far distant future.

Travel into the future has never been realized and probably never will. But a time machine was invented in 1877 that can transport us to the past. It's called a phonograph. It has also been called a Victrola, a gramophone, graphophone, Re-Creator, and one enterprising manufacturer called his a Reproducing Machine.

The original time machines had huge cranks on them to actuate the mysterious workings within. Later models were more sophisticated, although less interesting, and used electricity.

Through these marvelous machines we can be transported once again to the Diamond Horseshoe and hear the great Caruso belt out an aria. Al Jolson stands before us and warbles about the virtues of motherhood and the southland. Bix lives again as his golden cornet spreads warmth throughout the room. Jelly Roll stomps with his great Red Hot Peppers. Billy Jones and Ernie Hare pour forth with their songs and patter. Paul Whiteman lifts his baton, and the room is filled with his concert orchestra. Sad-eyed quartets sing of unrequited love. World War I is fought again by singers like Arthur Fields, Irving Kaufman, Henry Burr, Charles Hart, and Billy Murray.

Prohibition is relived with songs like THE ALCOHOLIC BLUES, HOW ARE YOU GONNA WET YOUR WHISTLE, YOU DON'T NEED THE WINE TO HAVE A WONDERFUL TIME, MOONSHINE SALLY, I MARRIED THE BOOTLEGGERS DAUGHTER, and STAY OUT OF THE BATHTUB BABY, DADDY'S MAKIN' GIN.

Here's a little parlor game you can play sometime:

Think for a minute. If you had the ability to travel back in time to listen to any sound you wanted, and record it, what would you do?

Would you travel back to the turn of the century and hear with your own ears the legendary sounds of Buddy Bolden? Perhaps you would record one of those much talked about jam sessions with Bix and Gene Krupa when they cut loose for their own enjoyment. Maybe you would like to hear the voice of the Swedish Nightingale, Jenny Lind.

Don't limit yourself to music, now. How about Lincoln's Gettysburg Address? Patrick Henry espousing "Give me Liberty or Give me Death".

What would you record for posterity?

For myself, I think I would like to have the recorded stammering of the gentleman in the patent office when a young 31 year old genius placed his talking machine on the table and it spoke these words:

"Good morning. I am the phonograph."

*Tape Squeal* is the monthly newsletter of the INDIANA RECORDING CLUB. Send all news information, photographs, etc. to: Sharon Moore, editor, 4215 North Oxford Street, Indianapolis, Indiana 46205.

For information about membership in the INDIANA RECORDING CLUB contact: Eleanor Davies, secretary, 1729 East 77th Street, Indianapolis, Indiana 46240. Telephone (317)2517048.

Please send all changes of address and directory data to: Eleanor Davies, directory manager, 1729 East 77th Street, Indianapolis, Indiana 46240.

Your INDIANA RECORDING CLUB Board of Directors consists of Dennis Burcher, Pres.; Bill Tillett, Vice-Pres.; Eleanor Davies, Secretary; John Oliver, Treasurer; and Bill Endicott and Gene Scott, Members.

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## TO ALL NEW MEMBERS (In the United States)

When you receive your welcoming tape please return the accompanying postcard to the committee chairman: William Kearney, 2625 West Jefferson Road, Kokomo, Indiana 46901.

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**ADDRESS CHANGES** --all address changes MUST be sent to the Directory Manager at least one month before the effective date to ensure uninterrupted delivery of the Tape Squeal.

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# TRADING POST

Free notices for IRC members, concerning tape and related items to sell, buy, trade, etc.

Robert Yeager, S-12 — is looking for a stereo open reel deck which contains a 1 7/8 ips speed.

James Fischel, D-78 — has recently purchased a Webster Chicago wire recorder and needs HELP repairing it. Anyone with info on how to, please contact him. Thanks.

R. A. Rosenquist, D-42 — is looking for a copy of "The Bamboo Organ" from somewhere in the Philippines. This tape was played at a recent Indianapolis Ethnic Festival in the Fall of 1981.

Gary Cameron, S-52 — wants to acquire old radio commercials, especially of automobiles, on cassette tapes. Also anything about Studebaker cars and trucks. Has much music and OTR to trade.

W. C. Rousseau, S-19 (see S-56 for new address) is now able to resume dubbing orders from his collection of over 2600 albums. He will furnish a listing of over 800 artists to any member who requests one.

Meg Alexander, D-15 — would like to hear from anyone who has been to the Girl Scout Leaders Training camp Edith Macy in N.Y. She was there in the 50's and would like help with some memories and details. She would also like some G.S. songs.

Jim McFarlane, D-85 — has the following 7 LP's for sale for half-price plus postage: *Hindsight* 160 *Shep Fields* 42-44-122 *Henry Busse* 35-159 *Tiny Hill* 44-162 *Art Kassel* 1944-*Joyce* 1090 *Stan Kenton's Concert in Miniature* #11 & 12-*Joyce* 1096 *Tommy Dorsey One Night Stand*-*Joyce* KP5005 *Jimmy Lunceford Jubilee with Guest Stars*. All records have been played once. price is \$22 inc. Post.

Frances Tickle, D-50 — looking for the *Reader's Digest* set of Benny Goodman. Also "Introducing Lobo." Will supply tape and postage or return your cassette (plus postage) as is or with some of my collection recorded for you. Stereo cassette only, as open reel machine is sick.

Lew Crispell, D-20 — looking for music by Al Jolson, also Hawaiian Music and Instrumental groups such as the Pinetoppers and Mulcays. Will furnish tape and postage.



## TECHNICAL NOTES

Gene Eaton

### MICROPHONES — part 2

#### THE CRYSTAL MICROPHONES

This is the microphone that came from the discovery of the fact that a slice of Rochell-Salt crystal would display a measurable voltage output when the crystal was bent or distorted. This effect was named the piezo effect.

In the construction of the microphone the crystal was mounted firmly at three corners with a thin ridged wire to the remaining corner and fitted to the center of a very thin aluminum diaphragm which was stretched tightly to a circular ring. This apparatus was enclosed in a suitable case with a shielded wire or cable of short length and then coupled to an amplifier of modest gain.

This crystal and mounting method was also used very successfully in phonograph pickups. Both devices had a frequency range of from 70 to around 9000 cps and could have this extended by careful engineering.

These devices required a high value of loading resistance, on the order of 500,000 to 5 megohms value and with a total capacitance in the system of from 800 mmf to 3000 mmf, both of which controlled the frequency range and the amount of voltage developed, with the values going in opposite directions to be most effective, namely low capacitance and high resistance.

#### THE CERAMIC MICROPHONES

In testing ceramic moulded items it was found that with certain additives to the mix, a moulded bar displayed definite piezo electric effects when stressed.

The ceramic microphone is constructed of a small ceramic bar clamped at both ends with a stiff wire attached to the middle to couple the element to a diaphragm. It develops a very healthy voltage across 500,000 ohms loading resistance. Trials showed that it also had a value of capacitance of about 10 mmf for the bar, with the rest in the cable and amplifier input stage, giving a net value of 100 to 350 mmf, even less with careful engineering. This yielded a frequency range of 70 cps to over 13,000 cps, but did require a short cable for connection to the amplifier.

The ceramic mikes were very rugged, somewhat temperature sensitive, and had a high enough output to need only a modest amplifier for use. The housing could be of any shape, generally compact.

This element was also very successful when used for phonograph pickups. In fact it is still one of the better class in general use today for stereo phonos.

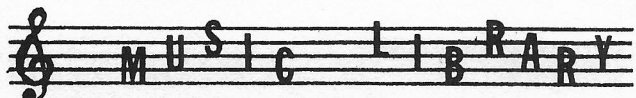
MICROPHONES — part 3, will appear next month.  
Be Listening!!

Does the Trading Post work? Does anyone get what they need from it? BILL BAILIFF says that his request was answered by WILLIAM PATTERSON, and Bill is now the owner of "Cow Bell Strut" by Billy Maxted. RAY WATSON also expresses his thanks to all who answered his recent request for "Too Old to Cut the Mustard" and says that now he has several copies and offers for more. RON BARON says that he is having moderate success with his ad (which appears on an occasional basis) for open reel and cassette tapes.

### M. H. JONES, The Old Philosopher Says

Don't think you are so big,  
others don't.

As courteous as some of our members are, as seen in their response to requests from the Trading Post, some aren't. We (that is, the editor) have received several complaints lately about members who don't answer their correspondence. Some advertisers in the Trading Post have been known to avoid answering requests for items they are selling. Shame, Shame!! Other members whose listing in the directory indicate that they will be able to answer any and all correspondence have not--answered any, that is. Please, either answer correspondence as it arrives, or have the Directory Manager change your listing!!



Two of our members from sunnier climes, sent some of their sunshine to the frozen Midwest last month, in the form of more music for the Music Library. *Fred Riegel, #1955, Lantana, Florida*, sent these two reels:

- 471. More Wayne King. 82 selections on a 7 inch reel. 3-3/4 ips.
- 472. Enoch Light & the Light Brigade. 83 selections on a 7 inch reel. 3-3/4.

*Ted Hering, #2111, Redding, California*, also sent in two reels. They are:

- 473. Mutiny on the Bounty, and How the West was Won. Original Movie Sound Tracks on a 7 inch pre-recorded tape. 3-3/4 ips.
- 474. Allan Sherman with Arthur Fiedler & the Boston Pops, "Peter and the Commissar", and Variations on "How Dry I Am". 5" reel @ 7 1/2 ips.

----Bill Davies, Music Librarian

## CREATIVE LIBRARY

*Ted Hering, #2111*, donated a reel of historic recordings by old-time preachers, including Dwight Moody, Billy Sunday, with Homer Rodeheaver, Gipsy Smith and Peter Marshall.

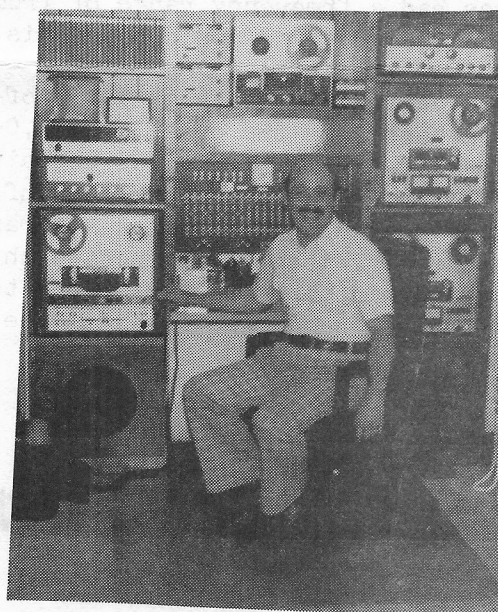
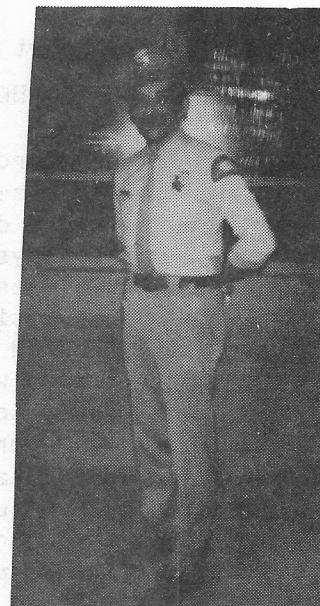
CR-97. Yesterday's Voices. Narrated by Paul Harvey.

---Bill Cutshaw, Creative Librarian

Do you want your "mug" shot? Send a picture (please put your name on the back and enclose a SASE for return of the picture) and it will be printed as time and space allow.

## MUG SHOTS

*FRANK A. PHILLIPS, of Burton, Mich.* A security officer at Fisher Body, this "mug shot" shows him in uniform.



*ROLFE G. BLAESS, Owner of Blaess Shoes in Jefferson, Iowa, "at home" with some of his equipment.*

Sharon Moore, Editor  
Indiana Recording Club  
4215 N. Oxford Street  
Indianapolis, Indiana 46205



# 44 Uses for a Recorder

from: NORMAN SALMONS

## Shouting, shooting captured on tape

Homicide detective Michael P. Bosley didn't have much investigating to do to determine who shot Richard Daubenspeck on Saturday afternoon.

The shooting, along with an argument leading up to it, were all recorded on tape by the assailant, Robert R. Armstrong, 47, 3101 Washington Boulevard, Bosley said.

Armstrong and Daubenspeck, 33, 3169 Washington Boulevard were trying to fix a faulty furnace in the basement where Daubenspeck resides when the shooting occurred around 2:40 p.m.

**ARMSTRONG OWNS** both Washington Boulevard homes but allowed Daubenspeck to live at the 3169 address in exchange for maintenance work.

An argument and then a fight broke out between the men in the basement. Armstrong fired nine shots with a .22-caliber automatic pistol, hitting Daubenspeck once in the left arm.

"The whole thing is recorded on tape," Bosley said. The tape reveals that the argument began with Armstrong's belief that Daubenspeck was stealing from him.

Armstrong hit Daubenspeck in the back of the head with a blunt instrument and was losing the fight when he

pulled out the gun and began shooting. After the shooting, Armstrong fired six more shots into a log in the basement.

**ARMSTRONG**, apparently aware that the attack and the shooting were on tape, picked up the recorder and walked with his victim upstairs to the living room. The tape still was rolling as the men discussed the fight.

Daubenspeck insisted, "I never stole anything from you." Armstrong admits, "I just tried to kill you, didn't I?" The tapes also suggest that Armstrong, an engineer for Naval Avionics, has been under severe stress.

Armstrong then drove Daubenspeck to Winona Memorial Hospital, where the victim was treated and released.

**BOSLEY SAID** he found Armstrong at the hospital with the tape recorder and five recorded tapes, including the one with the shooting incident. Armstrong gave no reason why he had taped the incident. Two of his tapes, which Armstrong had titled "Purley Gates" and "Jerusalem Dragnet," seemed to be religious tapes, Bosley said.

Armstrong was charged with battery with injury. Bail has been set at \$5,000.

"He even taped my conversation with him," Bosley said. "I read Armstrong his rights and he taped that too."

6. Tape Grandma's Recipes. Grandma's special dish is always wonderful when she cooks it, but a poor imitation when you try. Trouble is she belongs to a "pinch of this and a dab of that" school and your pinches and dabs don't quite correspond to hers. Next time, put the tape recorder on and record the whole process as grandma cooks, noting down dabs in terms of spoonfuls and inserting the pinches at the proper points, etc. At your leisure you can transcribe the recorded notes into a modern recipe or simply play back the tape and let grandma cook by delay and remote control.

7. Tape your own recipes. You yourself have undoubtedly some special dishes in which the ingredients are not exactly in prescription quantities. To preserve these or to pass them on, leave the tape recorder on as you mix, season, baste, etc., then transcribe this to regular written form or simply use the tape to guide you, or whomever you want to impart your culinary secrets to.

8. Record Complicated Instructions. Any time you have to follow complicated instructions--putting a knock-down or kit type gadget together for instance--why not record the instructions on tape. You can record the instructions with pauses long enough to permit you to follow the steps, or even, if you want to make a production out of it, fill the intervals with music to soothe your nerves. [Kodak sells "Kode-Word" tapes for precise development of various films. Follow the instructions on the tape and relax to the music while waiting for things to develop.]

9. The Instruction Bank. Remember how often the kids or spouse have called you at work to find out how to get something done around the house? Every household has one or two temperamental gadgets which tend to function for one member only. Why not record instructions for these problem appliances so that those at home can get them functioning without bothering those at work? Good for everything from "how to change a fuse" to "how to get the dishwasher loaded and working."

Thanks to JERRY JOHNSON for the above article from a January edition of the "Indianapolis Star." It does show that some people tend to take their tape recording a little too... what?

# SCHEDULED MEETINGS

Regularly scheduled meetings of the INDIANA RECORDING CLUB are held on the third Sunday of each month at 2:00 pm in the basement meeting room of the Leppert & Copeland Mortuary (740 E. 86th Street) in INDIANAPOLIS. *GUESTS ARE WELCOME!!!*

## FEBRUARY 21

IRC greets will present a tape-slide show PANEL DISCUSSION. BILL DAVIES, BILL TILLET, AND GENE SCOTT will provide information for the experienced "shower" and the novice.

## MARCH 21ST

A DUBBING SESSION will be held, with IRC President Dennis Burcher presiding.

## APRIL 18TH

IRC Technical Director GENE EATON will talk about equipment maintenance. A Question and answer period will follow the presentation, and coffee and (maybe) cookies will find their way in there somewhere.



"Are you the same recording I spoke to this morning?"

### MAILING LABELS

two color with IRC logo

Reel size: 3 1/2 x 4 1/4

Cassette size: 2 1/4 x 4

Price - \$1.75/100 - either size

Order from VERN DAVIS

8805 Madison, #301A

Indianapolis, IN. 46227

When ordering, please specify size.

## International Tapesponding (or: This Shrinking World)

What is the future of International tapesponding?? When I first started tapesponding in the late '50s, I belonged to World Tapes for Education, which unfortunately folded, because it was run by a family instead of a committee. The membership was composed mainly of teachers from all over the world, each wanting to expand his/her horizons. And...did I expand!!! I have, over the years, developed good friendships in Australia, Russia, Fiji, Ethiopia, Egypt, Israel, Germany, Switzerland, Africa, and on...and on...

Some people may be unable to bear the cost of postage, but when I consider the cost and discomfort of travel today, 96¢ for a cassette, airmail (small package rate) is well worth it. A visit to a movie may be three times as much.

I appeal to the membership to share their international contacts, or ask their friends overseas, to share another tapesponding friend and perhaps expand this fascinating hobby. Tapesponding is very catching!!

Thanks for listening.

Meg Alexander

mailed at Indy - Feb. 11

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